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PTO/SB/21 (09-04)

# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/536,635

Filing Date

May 26, 2005

First Named Inventor

Cynthia J. Kenyon, et al.

Art Unit

1636

Examiner Name

Celine X. Qian

Attorney Docket Number

023070-119970US

## ENCLOSURES (Check all that apply)

☐

Fee Transmittal Form

☐

Fee Attached

☐

Amendment/Reply

☐

After Final

☐

Affidavits/declaration(s)

☐

Extension of Time Request

☐

Express Abandonment Request

☒

Supplemental Information  
Disclosure Statement

☐

Certified Copy of Priority  
Document(s)

☐

Reply to Missing Parts/ Incomplete  
Application

☐

Reply to Missing Parts  
under 37 CFR 1.52 or 1.53

☐

Drawing(s)

☐

Licensing-related Papers

☐

Petition

☐

Petition to Convert to a  
Provisional Application

☐

Power of Attorney, Revocation  
Change of Correspondence Address

☐

Terminal Disclaimer

☐

Request for Refund

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CD, Number of CD(s) \_\_\_\_\_

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Landscape Table on CD

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After Allowance Communication to TC

☐

Appeal Communication to Board  
of Appeals and Interferences

☐

Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

☐

Proprietary Information

☐

Status Letter

☒

Other Enclosure(s) (please identify  
below):

Form PTO/SB/08A

20 references

European Search Report  
return postcard

Remarks

The Commissioner is authorized to charge any additional fees to Deposit  
Account 20-1430.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Townsend and Townsend and Crew LLP

Signature

*Annette S. Parent*

Printed name

Annette S. Parent

Date

5/7/07

Reg. No.

42,058

## CERTIFICATE OF TRANSMISSION/MAILING

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*Jessie M. Kelly*

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5-8-07

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TOWNSEND and TOWNSEND and CREW LLP

By: 



PATENT  
Attorney Docket No.: 023070-119970US  
Client Reference No.: SF-03-008-4

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Cynthia J. Kenyon et al.

Application No.: 10/536,635

Filed: May 26, 2005

For: EUKARYOTIC GENES  
INVOLVED IN ADULT LIFESPAN  
REGULATION

Confirmation No.: 2468

Examiner: Celine X. Qian

Art Unit: 1636

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER  
37 CFR §1.97 and §1.98

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

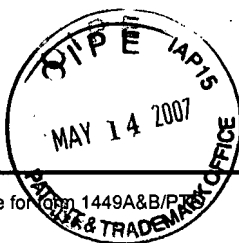
As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

  
Annette S. Parent  
Reg. No. 42,058

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61032746 v1



<b>Substitute for Form 1449A&amp;B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/536,635
				Filing Date	May 26, 2005
				First Named Inventor	Kenyon, Cynthia
				Art Unit	1636
				Examiner Name	Celine X. Qian
Sheet	1	of	2	Attorney Docket Number	023070-119970US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	1	WO	99/52929		10-21-1999	Burmer et al.		<input type="checkbox"/>
	2	WO	01/18549	A1	03-15-2001	Henderson et al.		<input type="checkbox"/>
	3	WO	01/12851	A2	02-22-2001	Weindruch et al.		<input type="checkbox"/>
	4	WO	03/000861	A2	01-03-2003	Regents of the University of California		<input type="checkbox"/>
								<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	5	ARANTES-OLIVEIRA Nuno et al., "Regulation of life-span by germ-line stem cells in <i>Caenorhabditis elegans</i> " SCIENCE (Washington D. C.), vol. 295, no. 5554, 18 January 2002 (2002-01-18), pages 502-505.			<input type="checkbox"/>
	6	BARSYTE Dalia et al., "Longevity and heavy metal resistance in daf-2 and age-1 long-lived mutants of <i>Caenorhabditis elegans</i> " FASEB JOURNAL, vol. 15, no. 3, March 2001 (2001-03), pages 627-634			<input type="checkbox"/>
	7	BERMAN J. R. et al., "An RNAi -based screen for genes involved in the regulation of lifespan by the reproductive system" West Coast Worm Meeting from 10-12 August 2002			<input type="checkbox"/>
	8	FRASER A. G., "A wormer's eye view." GENOME BIOLOGY 2001, vol. 2, no. 10, reports 4022.1-4022.3			<input type="checkbox"/>
	9	FRASER A. G. et al., "Functional genomic analysis of <i>C. elegans</i> chromosome I by systematic RNA interference" NATURE, Nature Publishing Group, London, GB, vol. 408, no. 6810, 16 November 2000 (2000-11-16), pages 325-330			<input type="checkbox"/>
	10	GARIGAN Delia et al., "Genetic analysis of tissue aging in <i>Caenorhabditis elegans</i> : A role for heat-shock factor and bacterial proliferation" GENETICS, Genetics Society of America, Austin, TX, vol. 161, no. 3, July 2002 (2002-07), pages 1101-1112			<input type="checkbox"/>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	2	of	2	Attorney Docket Number	023070-119970US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T 2
	11	GUARENTE Leonard et al., "Genetic pathways that regulate ageing in model organisms" NATURE, Nature Publishing Group, London, GB, vol. 408, no. 6809, 9 November 2000 (2000-11-09), pages 255-262	<input type="checkbox"/>	
	12	HONDA Yoko et al., "The daf-2 gene network for longevity regulates oxidative stress resistance and Mn-superoxide dismutase gene expression in <i>Caenorhabditis elegans</i> ." THE FASEB JOURNAL (Official Publication of the Federation of American Societies for Experimental Biology). AUG 1999, vol. 13, no. 11, August 1999 (1999-08), pages 1385-1393	<input type="checkbox"/>	
	13	KAWANO Tsuyoshi et al., "Molecular cloning and characterization of a new insulin/IGF-like peptide of the nematode <i>Caenorhabditis elegans</i> " BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 273, no. 2, 5 July 2000 (2000-07-05) pages 431-436	<input type="checkbox"/>	
	14	KIM Stuart K., "Mining the functional genomic landscape" NATURE REVIEWS GENETICS, MacMillan Magazines, GB, vol. 2, September 2001 (2001-9), pages 681-689	<input type="checkbox"/>	
	15	LEE Siu Sylvia et al., "A critical role for mitochondria in <i>C. elegans</i> lifespan regulation" East Coast Worm Meeting from 14-16 June 2002. Abstract N°66	<input type="checkbox"/>	
	16	LEE Siu Sylvia et al., "DAF-16 target genes that control <i>C. elegans</i> life-span and metabolism." SCIENCE (Washington D.C.), vol. 300, no. 5619, 25 April 2003 (2003-04-25), pages 644-647	<input type="checkbox"/>	
	17	MELOV Simon et al., "Extension of life-span with superoxid dismutase/catalase mimetics" SCIENCE, American Association for the advancement of Science " US, vol. 289, no. 5484, 1 September 2000 (2000-09-01), pages 1567- 1569	<input type="checkbox"/>	
	18	MURPHY C. T. et al., "Discovery of DAF-16 Targets and Novel Lifespan genes: Microarray Analysis of the <i>C. Elegans</i> DAF-2 Pathway" West Coast Worm Meeting from 10-12 August 2002 Abstract N°5	<input type="checkbox"/>	
	19	MURPHY Colleen T. et al., "Genes that act downstream of DAF-16 to influence the lifespan of <i>Caenorhabditis elegans</i> ." NATURE (London), vol. 424, no. 6946, 17 July 2003 (2003-07-17), pages 277-284	<input type="checkbox"/>	
	20	SNOW M. I. et al., "Structure and expression of daf-12: a nuclear hormone receptor with three isoforms that are involved in development and aging in <i>Caenorhabditis elegans</i> " BIOCHIMICA ET BIOPHYSICS ACTA Gene Structure and Expression, Elsevier (Amsterdam, NL) vol. 1494, no. 1-2, 15 Nov 2000, pages 104-116	<input type="checkbox"/>	
			<input type="checkbox"/>	

Examiner Signature		Date Considered	
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